

1. (Three Times Amended) A nickel-base alloy resistant to carburizing, oxidizing, nitriding and/or sulfidizing environments, consisting of, in weight percent, 42 to 58 nickel, 21.5 to 28 chromium, 12 to 18 cobalt, 4.5 to 9.5 molybdenum, 2 to 3.5 aluminum, 0.05 to 2 titanium, at least one microalloying agent selected from the group consisting of 0.005 to 0.1 yttrium and 0.01 to 0.6 zirconium, 0.01 to 0.15 carbon, 0 to 0.01 boron, 0 to 4 iron, 0 to 0.4 manganese, 0 to 1 silicon, 0 to 1 hafnium, 0 to 0.4 niobium, 0 to 0.1 nitrogen, incidental impurities and deoxidizers.

4. (Twice Amended) The alloy of claim 1 including 43 to 57 nickel, 21.5 to 27 chromium and 12.5 to 17.5 cobalt.

5. (Once Amended) The alloy of claim 1 including 2.25 to 3.5 aluminum and 0.06 to 1.6 titanium.

6. (Once Amended) The alloy of claim 1 including 0.01 to 0.5 zirconium, 0.01 to 0.14 carbon and 0.0001 to 0.01 boron.

7. (Twice Amended) A nickel-base alloy resistant to carburizing, oxidizing, nitriding and/or sulfidizing environments, consisting of, in weight percent, 43 to 57 nickel, 21.5 to 27 chromium, 12.5 to 17.5 cobalt, 4.5 to 9 molybdenum, 2.25 to 3.5 aluminum, 0.06 to 1.6 titanium, at least one microalloying agent selected from the group consisting of 0.01 to 0.08 yttrium and 0.01 to 0.5 zirconium, 0.01 to 0.14 carbon, 0.0001 to 0.01 boron, 0 to 3 iron, 0 to 0.4 manganese, 0.01 to 1 silicon, 0.01 to 0.8 hafnium, 0.00001 to 0.08 nitrogen, incidental impurities and deoxidizers.

10. (Once Amended) The alloy of claim 7 including 44 to 56 nickel, 22 to 27 chromium, 13 to 17 cobalt and 5 to 8.5 molybdenum.

11. (Once Amended) The alloy of claim 7 including 2.5 to 3.5 aluminum and 0.08 to 1.2 titanium.

12. (Once Amended) The alloy of claim 7 including 0.02 to 0.5 zirconium, 0.01 to 0.12 carbon and 0.01 to 0.009 boron.

13. (Twice Amended) A nickel-base alloy resistant to carburizing, oxidizing, nitriding and/or sulfidizing environment, consisting of, in weight percent, 44 to 50 nickel, 22 to 27 chromium, 13 to 17 cobalt, 5 to 8.5 molybdenum, 2.5 to 3.5 aluminum, 0.08 to 1.2 titanium, 0.01 to 0.07 yttrium, 0.02 to 0.5 zirconium, 0.01 to 0.12 carbon, 0.001 to 0.009 boron, 0.1 to 2.5 iron, 0 to 0.4 manganese, 0.02 to 0.5 silicon, 0 to 0.7 hafnium, 0.0001 to 0.05 nitrogen, incidental impurities and deoxidizers.

16. (Once Amended) The alloy of claim 13 including 45 to 55 nickel, 22 to 26 chromium, 14 to 16 cobalt and 5 to 8 molybdenum.

17. (Once Amended) The alloy of claim 13 including 2.75 to 3.5 aluminum and 0.1 to 1 titanium.

18. (Once Amended) The alloy of claim 13 including 0.01 to 0.06 yttrium, 0.02 to 0.4 zirconium, 0.02 to 0.1 carbon and 0.003 to 0.008 boron.